

## WHITING SELECTS CLASSICAL MUSIC OF LAST CENTURY

Recital Tomorrow to Include  
Works of Franck, Handel  
And Brahms

TWO MUSICIANS TO ASSIST  
Third of Series of Five  
Concerts Provided For  
Student Body

Music lovers among Technology's faculty and student body will have the third opportunity of this school year to hear Arthur Whiting, well-known interpreter of classical music, give another of a series of five recitals to-morrow evening at 8:15 in room 10-250. This treat has been arranged by the Corporation of the Institute especially for the student body, though the faculty and instructing staff are cordially invited to attend.

At this time, Mr. Whiting, assisted by Mr. Gilbert Ross, violinist, and Mr. August Benditzky at the violoncello, will present typical compositions by Cesar Franck, Handel and Brahms, all last Century composers. As usual, Mr. Whiting will give a brief informal talk on the composers and their work, together with an analysis of the major features of the numbers to be rendered.

Co-operating with the Corporation of Technology, Mr. Whiting presented a series of five recitals last year which comprised programs designed to illustrate certain phases and trends of musical thought and development. This is the series, now in its twenty-first year at Harvard, Yale and Princeton, given at Technology, as Mr. Whiting says, "in particular for those men who have had little experience with the higher forms of music and who need to have a layman's knowledge and appreciation of it."

Due to the smallness of the audience the first of this season's concerts it is thought that the series would have to be discontinued. However, a considerable increase in the number attending the last recital persuaded the Institute authorities to continue the program as scheduled.

The program for tomorrow's recital follows:

(Violin and Pianoforte)  
Cesar Franck, 1822-1890—Sonata, A major  
I Allegretto, ben moderato  
II Allegro  
III Recitativo—Fantasia  
V Allegretto poco mosso

(Violoncello and Pianoforte)  
Mendel, 1825-1859—Sonata, G minor  
I Grave—Allegro  
II Largo—Allegro

(Violin, Violoncello and Pianoforte)  
Brahms, 1833-1897—Trio, C minor, op. 101  
I Allegro energico  
II Andante grazioso  
III Presto, non assai  
IV Allegro molto

The fourth exposition of the series will be given at the Institute on Feb. 16.

## TECHNIQUE CAMPAIGN EXTENDED THIS WEEK

There have been 1,007 signups of the technique sold to date according to an announcement made by the management. As only about half of the Senior Class have signed up for the year, it is believed that many seniors need to subscribe but forgot to do so. Therefore the management is now asking men to sign up at the office this week for the usual price of one dollar.

There are 153 seniors who have pictures in the portfolio section who have not subscribed as yet. This year's issue has been changed somewhat over past issues. The cover consists of four colors, which show out everything in detail. The book will include an opening section in three colors, a grand section of "The Tech Circus," and a "High-Section," which consists of half made from pencil sketches of the Institute. Each section is divided from the previous sections by a piece of technique paper.

The majority of the pictures and engravings have been sent to the engravers, The Bureau of Engraving, at Minneapolis, Minn. The print-work is being done by the Andover Press, of Andover, Mass.

## Former Dept. Head Invents Amphibian Car

Professor T. A. Jaggar, who was the head of the course in Geology and Geological Engineering at the Institute for many years, and is now at the Hawaii Volcano Observatory, has invented an amphibian automobile, one of the so-far impractical means of locomotion. Professor Jaggar's car, however, will go 27 miles an hour on land, and about two miles an hour in the water. The car is driven by a Ford motor, and when in the water, is propelled by two light 24 inch paddle wheels. Professor Jaggar has tested the car out in Hawaii where it made several successful trips, both on land and on sea.

## RADIO ASSOCIATION ENTERED IN TESTS

Communicate With Many Foreign Stations During Week

The Radio Society is now participating in the tests that are being carried on under the auspices of the American Radio Relay League in conjunction with the amateurs of this country and of foreign countries.

According to the last reports, several foreign stations have been worked from the transmitting station. During the past week, the society has been in direct communication with amateurs in the following countries: New Zealand, England, Liberia, and Belgium. Judging from the reports, the intensity of the received signals from the Societies Station, 1MX is very good. The members of the club are making every effort to win the tests.

The transmitters in operation at the station at present consists of a 40 meter and a 20 meter set. The 40 meter set utilizes a self rectifying circuit, with two 50 watt tubes, and is used mostly for transmission after six o'clock in the evening. Forty meters appears to be the best working wave for night work. The 20 meter set, which has just been installed, is used during the daytime. This set consists of a 250 watt tube with a 500 cycle plate supply.

## MUSICAL CLUBS HOLD CONCERT ON FRIDAY

On Friday night, February 17, the Combined Musical Clubs of the Institute will hold their joint concert with the combined clubs of Brown. The affair will be held at the Hotel Somerset and will be followed by a dance at which the Technicians will play. Tickets are on sale daily in the Main Lobby from 12 until 2 o'clock and are \$5 a couple or \$3 stag.

# Wrestling and Gym Teams Win From Visiting Colleges

## GYM TEAM BEATS BOWDOIN IN FIRST MEET OF SEASON

Fairchild, Wells and Stephenson Star as Engineers Win  
By Large Margin

## REYNOLDS IS INELIGIBLE

Technology's gymnasts easily defeated Bowdoin 39-15 to open the season in the Hangar gym on Saturday afternoon. Harold Fairchild was high point man for the Engineers taking a first on the side horse and in the rope climb. He did the rope climb in 5 and 7-10 seconds which is the fastest time that has been achieved in the gym for several years. David Wells was next with seven points taking first on the rings third on the Horizontals and Parallels.

This was the first intercollegiate meet that Bowdoin has ever entered and consequently they did not have a very strong team. Their best man was Stewart who took a first on the parallels. He put up a fine exhibition and used a style that is not very common to the Engineers. Outside of this Bowdoin did very little; although Stewart put up a fair exhibition on the horizontals, but he could not come any nearer to the performance of Capt. Paul Stephenson who did one or two giants in great style.

In tumbling Bowdoin was the poorest as their best man could not come anywhere near Bauer or Dolloff. Dolloff did not enter the meet because of a sore knee and Coach Pearson is saving him for the Princeton meet next Saturday. The only accident of the meet occurred in the tumbling when Sophos of Bowdoin attempted to do a front somersault. He put a little too much twist into it and fell on his face severely bruising his nose. Upon examination by a doctor it was found that it was nothing serious.

"Iron Man" Reynolds, who has been declared ineligible put up a fine exhibition on the rings and received a large amount of applause. Should he become eligible by the time of the intercollegiate he ought to be able to get first place on the rings and the Engineers will have a very good chance to take a first place in this year's intercollegiate. He also put on an exhibition on the parallels and in the rope climb. Should he have been eligible the Cardinal and Gray would undoubtedly have taken a first in the parallel.

(Continued on page 4)

## Sports Summary For The Week End

VARSITY  
February 10  
Fencing—M. I. T. 8, Penn. 7.  
February 11  
Wrestling—M. I. T. 13½, B. P. 1, 7½.  
Gym—M. I. T. 39, Bowdoin 15.  
Swimming—M. I. T. 23, Columbia 39.  
Fencing—M. I. T. 8, Princeton 9.  
FRESHMAN  
February 11  
Basketball—M. I. T. 19, Wentworth 25.  
Wrestling—M. I. T. 0, Andover 24.  
Swimming—M. I. T. 9, Worcester 53.

## February Issue Of T.E.N. Features Civil Engineering

Articles of General Interest  
Will Also Form Part  
Of Issue

The new Managing Board of The Tech Engineering News announces its first issue, the February number, to be placed on sale Thursday and Friday, February 16 and 17. The publication has specialized this month in the fields of Civil Engineering and Construction, and contains several articles on these subjects as well as articles which have a general appeal.

Mr. O. H. Ammann, Chief Engineer of Bridges of the New York Port of Authority, has written on "The Hudson River Bridge." This is to be by far the largest suspension bridge in the world, and many unusual problems are consequently involved. The author presents not only the engineering side of the project, but also a complete traffic analysis of the problems involved in the sixty-million dollar undertaking.

"Characteristics of Arc Welded Constructions" is the work of A. M. Candy, Arc Welding Engineer of the Westinghouse Electric and Manufacturing Company. He describes the use of welded rather than riveted joints in structural steel buildings and outlines the series of tests made comparing the strength of similar welded and riveted

(Continued on page 4)

## TECHNOLOGY TEAM WINS WRESTLING MEET IN HANGAR

Beavers Defeat Brooklyn Poly  
By Score of 13½ to 7½  
On Saturday

## NO FALLS ARE SCORED

Technology's varsity wrestlers defeated the team from the Brooklyn Polytechnic Institute in the first home meet of the year last Saturday night in the Hangar. Despite the fact that the Brooklyn boys had met the Tufts aggregation the night before they seemed none the worse for wear and put up a game fight all the way. Both Brooklyn and the Beavers met defeat at the hands of the Tufts team with exactly the same score so from all the predictions that could be made it would be anybody's meet and it was, with the action close and fast and three bouts going overtime. The final score 13½ to 7½ in favor of the Beavers.

For the 115 class Canter of the Beavers was wrestling his first Varsity match and came through with a win from Itza of Brooklyn. Canter showed that he had plenty of class and carried the bout all the way being able to outpoint his man throughout the bout and getting a clear referee's decision.

Perhaps the feature bout of the evening was in the 125 pounders between Captain Jimmy Cullen of Technology and Captain Barbaritzki of the Brooklyn.

(Continued on Page 3)

## SUBWAY BUILDING IS ALDRED TALK TOPIC

Third Lecture of Year's Series  
Will Be Given Friday

"Subway Construction in New York City" will be the subject of the third Aldred Lecture of the school year, which will be given Friday afternoon by Mr. Robert Ridgway, Chief Engineer of the Board of Transportation of the City of New York. It will be given in 10-250, and as usual, at 3 o'clock.

Senior classes will be omitted to enable all the members of the graduating class to hear the address, since it was primarily for their benefit that the series of lectures was inaugurated four years ago in order to give them an idea of the conditions they will meet when they graduate. Graduate students and members of the instructing staff are especially invited, and the remainder of the student body will be admitted up to the seating capacity of the lecture room.

## T. E. N. OPENS JUNIOR BOARD COMPETITION

Due to a vacancy Tech Engineering News is announcing a competition for the position of publicity manager. It will close approximately two months from now and is open to any Sophomore. Publicity manager is a job that ranks equally with all other Junior Board positions, and with them is in line for a Senior office next year.

This recent vacancy will probably be filled by some man who can display the right qualities of originality and industry. Ability to make posters is desirable, though by no means a necessary faculty. Ideas and aptitude for organizing a publicity campaign are the qualities which are prime requisites.

T. E. N.'s office in Walker basement is always open until five o'clock, often till later, and some one will be there to talk the matter over with any one interested.

## CALENDAR

Monday, February 13  
3:00—Geology Lecture, Hans T. F. Lundberg, Room 4-270.  
Wednesday, February 15  
8:30—5:30—Senior Week Elections, Main Lobby.  
Friday, February 17  
8:30—Technology and Brown Musical Clubs Concert, Hotel Somerset.

# Seniors to Elect Class Day Marshals and Committeemen

Six men have been nominated for the position of Senior Class Day Marshals and 32 for positions on the Senior Week Committee, the Elections Committee has announced. Elections will be held in the Main Lobby on Wednesday from 8:30 o'clock until 5:30 o'clock. A total of 25 committeemen and three marshals are to be elected from this number, and all the members of the Senior class are requested to exercise their privilege of voting in order that the results may be a true indication of the wishes of the Class in this matter.

The list of nominees is as follows:

Gilbert J. Ackerman  
Edwin F. Celette

Marshals  
James Donovan  
Elisha Gray

Arthur R. Keith  
Cyril B. Meagher

Committeemen  
Gilbert J. Ackerman  
Carl Bernhard  
Homer A. Burnell  
Christopher Case  
Norton M. Case  
George I. Chatfield  
Morris Cohen  
Robert Cook  
James A. Cullen  
Albert S. Dempewolf  
Richard B. Goble

Albert J. Gracia  
Elliot B. Grover  
Ames B. Hettrick  
Raymond A. Jack  
Gordon C. Jacoby  
Robert J. Joyce  
Peter H. Kirwin  
Everett V. Lewis  
Frank McGuane  
John C. Melcher

Walter J. Nock  
George P. Palo  
Alva H. Pearsall  
Donald E. Perry  
Albert J. Puschin  
Paul E. Ruch  
John Stack  
Charles H. Topping  
Redmond E. Walsh, Jr.  
Joseph C. Whitcomb  
Edward J. Wood

A Record of  
Continuous  
News Service  
for 47 years.



Official News  
Organ of the  
Undergraduates  
of M. I. T.

## MASSACHUSETTS INSTITUTE OF TECHNOLOGY

**MANAGING BOARD**  
L. C. Hamlin '29.....General Manager  
H. Rouse '29.....Editor  
W. W. Young '29.....Managing Editor  
A. C. Pforzheimer '29.....Business Manager

**ASSOCIATE BOARD**  
D. T. Houston '30.....News Editor  
F. C. Crotty '30.....Features Editor  
P. Keough '30.....Sports Editor  
G. Smith '30.....Treasurer  
D. W. Diefendorf '30.....Circulation Manager  
S. L. Hallett '29.....Advertising Manager

**EDITORIAL DEPARTMENT**  
Literary Editor  
H. T. Gerry '29  
Editorial Board  
W. W. Hoppe '28 A. P. Morell '28  
F. L. McGuane '28 E. L. Welcyn '28  
Staff Photographers  
C. J. LeBel '28 T. Lewenberg '30  
L. J. O'Malley '28

**NEWS AND SPORTS DEPARTMENTS**  
Assistant News Editor  
W. J. Danziger '29  
Assistant Sports Editor  
L. Verveer, Jr. '30  
Night Editors  
M. Brimberg '29 F. C. Fahnestock '30  
C. Connable '30 G. R. Taminosian '28  
R. T. Wise '28  
News Writer  
R. Davis '31  
Sports Writers  
E. W. Harmon '30 S. C. Westerfeld '31

Reporters  
H. B. Goetz '31 L. Saron '29  
J. A. Shute '31 N. H. Leve '31  
G. P. Wadsworth '30 R. C. Moeller '31  
E. S. Worden, Jr. '31

In charge of this issue:

**OFFICES OF THE TECH**  
Walker Memorial, Cambridge, Mass.  
News and Editorial—Room 3, Walker.  
Telephone Univ. 7029  
Business—Room 302, Walker.  
Telephone Univ. 7415  
Printer's Telephone—HAN cock 8387  
SUBSCRIPTION PRICE, \$2.50 PER YEAR  
Published every Monday, Wednesday and  
Friday during the College year  
except during college vacations  
Entered as Second Class Matter at the  
Boston Post Office  
Member Eastern Intercollegiate  
Newspaper Association

**BUSINESS DEPARTMENT**  
Treasury Department  
Assistant Treasurer  
E. L. Krall '30  
Staff  
J. Chibas '31 D. M. Goodman '31

**Circulation Department**  
Assistant Circulation Manager  
G. K. Lister '30  
Staff  
J. Alkazin '31 J. K. Minami '31  
G. Roddy '31

**Advertising Department**  
Assistant Advertising Managers  
C. H. Lutz '30 S. A. Moss '30  
Staff  
L. Fox G. H. B. Preble '30  
H. J. Truax '31

Frank C. Fahnestock '30

### FORCED FEEDING

**H**IGH pressure generally tends to bring about some sort of abnormal condition, whether that pressure act in the laboratory or in the mind. Constant reference to the difficulty of Institute courses in comparison with those of any other college or university as heard among the Faculty and student body would seem to show that some sort of high pressure attitude is behind the Technology course requirements; if the situation runs true to form, the abnormal conditions are certain to exist.

Colleges are usually supposed to give their students a more or less natural taste for knowledge—a desire to learn to broaden their minds. The prevalent method of accomplishing this end is by giving the undergraduate body the opportunity to work toward the goal of a mind well filled with useful ideas, and not a grade sheet that decides one between struggling another term for a few P's and going forth in the world. A student who has the privilege to do such work in his course that attracts his interest without the bother of striving to get above in the next hour quiz is far more apt to graduate with a worth-while brain than one in constant worry about the safest way to pass a subject.

This latter case is typical of all but the few honor courses here at M. I. T. So constant is the pressure that few have desire or reason to think at all about their courses, but only struggle on till the next problem section in the hope that enough temporary knowledge of the chapter will have been gathered to scrape through. A breathing spell comes at the end of each term, with a few weeks or months in which to forget a while before taking up again the blind scramble.

It will no doubt be repeated once again that knowledge is not what one seeks at Technology; one is after a technical training—the world will teach the rest. All well and good; the high pressure system may be an excellent preparation for the rush and drudgery of a little cog in a corporation machine, where one meets the same scramble as we have here. But it is not the Tech-trained cogs who rise above the rest; they can be hired anyplace at beggar's wages. The men who have learned for the love of the thing are the only ones who get ahead.

### ARBITRARY LECTURES

**L**ECTURES, particularly those whose subjects are of an arbitrary character, succeed in their purpose only so far as their appeal strikes a responsive chord in the listener. But when the student, who is usually the listener in this case, discovers that lectures of such a nature are uninteresting and irrelevant from his point of view, and at the same time his attendance is compulsory, he loses all respect for the course and often for the subject. The purpose of the lectures is consequently defeated.

Many lectures at the Institute may be placed in this category, their appeal to the undergraduate having been lost some time ago while others were void of interest even before they began. We allude in particular to the lecture-experiment now being conducted by the Department of Electrical Engineering in two of its courses in Principles of Electrical Engineering given in the Sophomore and Junior years.

We praise the department for its conscientious research work in the field of education. We applaud it for the feeling of cooperation it has engendered between the members of the Electrical Engineering staff and the student body. And above all, we congratulate those responsible for the initiation of the lectures in the aforementioned courses. We can't refrain, though, for condemning the nature of the subjects of these lectures. We hold no brief against the "orientation" addresses in the 6.00 course, for they fulfill their intended purpose admirably. But from glancing through the list of coming lectures in 6.02 we cannot help doubting their value to the Junior. His concern over the "Electrical Engineer's Life," we think, is very small. His interest over the economics of his future existence is even of less importance.

No doubt this condition prevails in other lecture courses where the subjects for discourse are of such an arbitrary character. Why not ask the men what they would like to hear? Perhaps they know.



### SOPHIE TUCKER

#### MAY DO FILM

What—another prof gone wrong! The Lounger found the above headline from a leading daily thoughtfully placed in his box by a worried friend for meditation. He has hesitated to interview Sophie himself, but the article went on to say that the comedian—"joyous" was the word—had been offered large contracts by a number of producers. It will probably happen that a good position in the films will prove to be far more prolific in the way of financial returns than showing the stock markets how to run, and the slapstick always turns out to have its advantages in after life. So it seems to the Lounger that Sophie is really sitting pretty, and promises to spread the fair name of the Institute clear to the west coast.

What bothers the Lounger though is the possibility of the remainder of the Faculty following in the footsteps of Sophie and Sneaker Joe—and then where would Tech be? To say that an engineering education gives a remarkable breadth of training is putting it mildly. Before the Institute is fully conscious of what is going on, some prof is apt to go A. W. O. L. and break into print endorsing cigarette ads.

Salesmanship is being taught in every school from night schools up, but as far as the Lounger knows his own Alma Mater is the first school to institute a required course in sales-resistance. Yet it must be still in the experimental stage for it is not listed in the catalogue. At least students should receive credit for taking it.

The first quiz of the term was given this last week in the corridors of every building and those who tried to cut were pursued to Walker or wherever they might go. The quiz consisted of one question:—Given a person either not desiring a Technique, one who is financially embarrassed, or one who has already ordered one, give a method to avoid being sold one, or if he already has one, another one. Not only must this question be answered once, but it must be answered many a time.

But the proctors were heartless! After submitting to ten quizzes during the course of the morning, the tired and nerve-racked student dropped into a chair in Walker to rest and eat. No sooner had he heaved a sigh of relief at escaping the heartless proctors than one appeared at the end of his table and once more required the examination to be taken. The foremost objection the Lounger has to offer is that after such an arduous and exhausting course with almost weekly quizzes by some activity, the student receives no credit for the course toward his degree.

### THE EDITORIAL SPECULUM

With the initiation of the new board of *The Tech* into the rigorous life of managing a tri-weekly newspaper, the Editorial Speculum column once more takes its rightful place on the editorial page. It will attempt to present to the students brief but cogent editorial comments on matters pertaining to Technology, and at times a few words on outside affairs of particular interest to the Institute undergraduates. It will, however, not invade the sacred precincts of editorial length. With these remarks as to its purpose and plans, the Speculum sets forth on a long and arduous journey. We drink to its success!

Garabed T. K. Giragossian of Boston no doubt will be surprised when he finds out that Technology, through this willing columnist, sends its condolence to him upon the eleventh annual anniversary of his application to Congress for recognition of his invention which he says will revolutionize modern civilization. Mr. Giragossian, by the way, claims to be the first and original inventor of the method to harness free energy that will do all the work now done by gas, coal and oil. Until Congress acknowledges his claims he refuses to reveal anything about his idea. We sincerely sympathize with Mr. Giragossian for we realize how many other inventors are in a similar fix. Perhaps some of our own budding engineers and scientists can tell this inventor how to get around Congress. Many around here, we think, have also had sad experiences with their brain-children.

Is it any wonder that the people of this country call the college students imbeciles, idiots and nincompoops? They cite in support of their charges the average college man's ignorance of

(Continued on page 4)

### AS WE SEE THE MOVIES

#### METROPOLITAN

This week the Metropolitan Theatre extends to its patrons the jesting invitation to "Take a Chance" on their amusement at that theatre. The entire program, both stage and screen, is shrouded in mystery. Nevertheless the public's confidence in the "Met" has already been demonstrated by their willingness to take a chance and find out what it is all about. Although we can not divulge the secret we will say that if we did, the most critical of theatre-goers would not hesitate to attend this week's performance.

Perhaps the great interest shown by the public is due to the success of the first "Take a Chance" week, which was held at the Metropolitan about eighteen months ago. All the features of this show were likewise kept a mystery, and the people who attended were asked to share the secret. The plan worked well, and curiosity prompted the public to see the show themselves.

All the information that the management will give out concerning the show is that "the following will positively NOT appear in person—Will Rogers, Colonel Lindbergh, Mussolini, the Prince of Wales or Calvin Coolidge." In spite of this the performance is well worth attending.

F. C.

### THE TECH BOOK LIST

#### THIS SMOKING WORLD

**THIS SMOKING WORLD**, by A. E. Hamilton. New York: The Century Company. \$2.50.

When the fumiprobe and the tobacophile meet on the field of battle, a great deal of smoke is due to be raised. But the possibilities of humor in such an encounter are legion. Just such a battle is waged over the pages of A. E. Hamilton's "This Smoking World"—a battle which is now impressive in the austerity of the facts presented and again amusing in the very ludicrousness of the exaggerations of the antagonists.

Perhaps one might go so far as to say that a more interesting battle has never been fought in print—certainly no battle has ever had the universality of appeal, the historical background, or the physiological, psychological, and economic significance that this battle of the pros and cons of smoking has had.

Seldom, since the days of Thucydides, has an historian told his story with the authenticity and impartiality that characterize this book; or maintained at the same time such a fine appreciation of humorous values of the incongruous.

To the great majority who smoke, this book will expand their knowledge and appreciation of tobacco; and furnish the rest of the reading world with an intimate picture of the most universally prevalent custom, habit, vice, call it what you will, that the world has ever known.

In a few words, "This Smoking World" is a most comprehensive study of an hitherto practically untouched subject, handled in a most informative and thoroughly delightful way.

F. M.

#### THE LOVES OF A MILLIONAIRE

**LOVELY LADIES**, by Ferrin L. Fraser. New York: J. H. Sears & Co. \$2.50.

Too often people stop reading novels because they find that they frequently have to leave off somewhere in the middle, and before returning to the book the thread of the story is lost. Mr. Fraser in "Lovely Ladies" has made allowance for just such people, as each chapter is a short story of interest in itself, yet they are connected together sufficiently to form quite an amusing novel.

When a young man has an appealing smile and a million dollars and is a bachelor, it is sufficient to attract many a young lady. Mr. Fraser has recorded the love affairs of Billy Everett with ten women, and at the moment each is the grand passion of his life, but they seem in no way to spoil him for his greatest affair which culminates in elopement. If variety is the spice of life, Billy should be well seasoned, for each episode is far different from the others.

Every affair is a complete story in itself, and moving rapidly, as the characters are rather cleverly portrayed by action rather than by lengthy description. However, the book as a whole has very little literary value and is comparable to a series of magazine stories but little above the average. The stories are very light but make quite good reading to pass away some time when one is not in an intellectual mood.

H. T. G.

### Play Directory

**STAGE**  
COLONIAL: "Sidewalks of New York with Ray Dooley. An amusing musical comedy of high calibre.  
COPLEY: "Yellow Sands," A new comedy to be reviewed Wednesday.  
HOLLIS: "4 Walls," with Muni Wiser friend. A thrilling drama.  
MAJESTIC: "Yours Truly," Good dancing and Leon Errol.  
REPERTORY: "I'll Leave it to You. A comedy of a widow with five children.  
SHUBERT: "George White's Scandals. A large New York cast.  
WILBUR: "The Road to Rome." Jar Cowl shows how human the Roman were.  
PLYMOUTH: "Straight through the Door." A fine character study by William Hodge.

**SCREEN**  
METROPOLITAN: "Take a Chance Week." Reviewed in this issue.  
LOEW'S STATE: "The Gaucho." Typical Douglas Fairbanks picture.  
FENWAY: "The Cohens and Kellys in Paris," and "Coney Island." Most of a common comedy type.  
TREMONT: "Wings." Thrilling air battles, excellently filmed.

One female student can enter Oxford for every four male students, a result of a recent decision. The women are angry that their number is kept down, and the men are angry that any women are permitted to enter.

Dean Randall of Brown in a recent story in the Providence Journal states that "College men who don't smoke drink or swear are non-existent today." Then dean told of a father who wished him to find a roommate for his son who had none of these vices. The dean says, "I told the parent that was very sorry to inform him that they had stopped making that type of boy some time ago."

The students at Emory University in the future have their own bank. It will be student owned, operated, and patronized. It will be operated on the "no-checks-cashed" system, and it will be possible for students to withdraw money only when they have their passbooks with them. This bank has been modeled after one that has been in operation at the University of Chicago for a number of years.

**JOHN SPANG**  
QUALITY RADIO EQUIPMENT  
STANDARD SETS AND PARTS  
INSTALLATION SERVICE  
Phone Kenmore 0745  
125 MASSACHUSETTS AVENUE  
(Next to Cor. Boylston St.)  
First Tested—Then Sold  
—Discount to Tech Students—

### LAW STUDENTS THE BOSTON UNIVERSITY LAW SCHOOL

Trains students in principles of the law and the technique of the profession and prepares them for active practice wherever the English system of law prevails. Course for LL.B., fitting for admission to the bar, requires three school years.

Post graduate course of one year leads to degree of LL.M.

Two years of college instruction is required for admission.

Limited Special Scholarships, \$75 per year to needy college graduates.

For Catalogue Address  
HOMER ALBERS, Dean  
11 Ashburton Place,  
Boston

### SIMPLEX

#### WIRES AND CABLES

INSULATED WITH RUBBER

PAPER OR VARNISHED

CAMBRIC

#### SIMPLEX WIRE & CABLE CO.

MANUFACTURERS

201 DEVONSHIRE STREET  
BOSTON

CHICAGO SAN FRANCISCO  
NEW YORK CLEVELAND  
JACKSONVILLE



# FOUR TRACK RECORDS ARE BROKEN

## M. I. T. BASKETBALL TEAM MAKES TRIP TO NEW YORK

### Fay, Thorsen, Benjamin, Grondal Set New Marks In Handicap Track Meet

Four records were smashed in the handicap track meet on Saturday and the high quality of the performances in the other events made the meet the best that has ever been held in the winter season at Technology. Fay won the special four lap race establishing a new record of 1 minute 15 4-5 seconds, Thorsen came up from scratch to win the mile in 4 minutes 35 4-5 seconds, Benjamin raised his own freshman high jump mark to 5 feet 10 3-4 inches, and Grondal broke the freshman shot put record with a heave of 45 feet 1-2 inch.

Phil Hardy, freshman star, who is high point scorer in the handicap track meets this year continued his great work by rolling up 15 points. He placed in four events, taking first in the 45-yard high hurdles, second in the 45-yard low hurdles, fourth in the two lap race and second in the shot put.

Alfred Lawrence, a Princeton graduate, took first in the low hurdles with Hardy second and I. E. Ross third. Hardy won the high hurdles with Tony Fleming second and Ross again third. Les Berman won the dash nosing out Charlie Broder and Fred Danner. Howard Barrington, Varsity low hurdler, entered the two lap race and won out over a large field.

**Fay Wins Special Race**  
Marshall Fay won the feature event, the four lap special in one of the most stirring races that has ever been seen on the M. I. T. board track. Although Capt. Cy Meagher and Fred Ladd of the mile relay team did not run, Fay and Jack Hallahan provided enough fireworks for any race and at the end neither of them had a bit more of energy left to give. The time of 1 minute 16 4-5 seconds broke the existing record by over five seconds.

In the four-lap handicap race Dick Baltzer, captain of the freshman cross country team, proved to be the speediest and his time, although not as fast as that of Fay was very good. The nine lap race was a dead heat between Paul Semple and John McNiff, two freshman cross country runners, and the race was as exciting as the result would indicate. Semple led most of the way until the next to last lap, when McNiff went into the lead, which he retained to the last corner. As they came into the stretch Semple sprinted and just managed to come up on even terms at the tape.

**Thorsen First in Mile**  
Leon Thorsen, Varsity cross country star, won the mile run from scratch by a comfortable margin over his teammate, Chuck Worthen. The time of 4 minutes 35 4-5 seconds breaks the record made by Bill Rooney in 1926 by nearly six seconds, and is a very creditable performance. Cross country men monopolized the places in this race, for after Worthen came Kirwin, Baltzer, and Holmes in order.

In the field events two of Coach Bill Meanix's proteges made new records. Phil Benjamin, who already held the freshman high jump record, raised his mark to 5 feet 10 3-4 inches and just missed clearing six feet. Charlie Sullivan, who took second place also did some good jumping. Bror Grondal broke the freshman 12 pound shot put record when he got the distance of 45 feet 1-2 inch. This mark broke the record established by Fritz Glantzberg against Exeter in 1924.

**The summary:**  
Forty-five-yard high hurdles—Won by P. D. Hardy; second, A. Fleming; third, I. C. Ross. Time—6 3-5s.  
Forty-five-yard low hurdles—Won by A. N. Lawrence; second, P. D. Hardy; third, I. C. Ross. Time—6 2-5s.  
Forty-yard dash—Won by L. Berman; second, H. Broder; third, F. B. Danner; fourth, J. Coleman; fifth, G. Leadbetter. Time—5 1-5s.  
Two-lap run—Won by H. S. Barrington; second, J. Coleman; third, H. Broder; fourth, P. D. Hardy; fifth, W. J. Hallahan. Time—35 2-5s.  
Four-lap special—Won by Marshall Fay; second, J. Hallahan; third, Mitchell; fourth, Burrows; fifth, Landsman. Time—1m. 15 4-5s. New Tech record.  
Four-lap run—Won by A. K. Baltzer; second, N. B. Haskell; third, J. Wood; fourth, H. Albright; fifth, M. T. Avers. Time—1m. 19s.  
Nine-lap run—First, tie between O. T. Semple and J. J. McNiff; third, H. C. Austin; fourth, R. V. Doss. Time—3m. 30 2-5s.  
Mile run—Won by Leon Thorsen; second, C. E. Worthen; third, P. H. Kirwin; fourth, R. K. Baltzer; fifth, E. H. Holmes. 1m. 15 4-5s. New Tech record.  
Twelve-pound shotput—Won by Bror Grondal; second, P. D. Hardy; third, F. W. Willett; fourth, A. J. DesMares; fifth, P. Marlini. Distance—45ft. 1-2in. New Tech record.  
High jump—Won by P. S. Benjamin; second, C. O. Sullivan; third, H. C. Pease; fourth, S. E. Northop. Height—5ft. 10 3-4in. New Tech record.

### MATMEN IN FIRST VICTORY OF SEASON LAST SATURDAY

Brooklyn Polytechnic Loses to Beavers By Score of 13½ to 7½

#### ALL POINTS BY DECISION

(Continued from page 1)  
lyn team. They went to it with a bang and the action lasted right through. At the end of the eight minutes neither had any advantage on the other and they went into a whirlwind overtime after which Cullen was given the referee's decision.

Cooper in the 135 pound class gave the Brooklyn boys a surprise by handing Obinheimer the second defeat which he has received in all his college career. Obinheimer easily won from the Tufts man that had defeated Cooper and the bout was felt to be the surest one for the invaders. However Cooper came through with a fine exhibition of wrestling and was given the referee's decision with a good advantage.

In the 145 pound class the Brooklyn team made its first points of the meet. Der Maderosian was unable to get the decision for the Beavers in the regular time limit and the bout was still a draw after the overtime period. Binie of Brooklyn followed this with a win for his team with a referee's decision over Gentile of Technology in a bout which was open to question as to the winner until the closing minutes.

Pitblado of the Beavers wrestling way above his own class in the 175's gave Rachatony of the Brooklyn outfit a real fight for the second decision for the visitors. The Brooklyn man had a tremendous weight advantage but in spite of this Pitblado had him pinned to the mat in the last few seconds of the fight and the time limit probably saved the visitor from losing his bout by a fall.

In the heavy weight class Stone of the Beavers a new comer to the squad and also wrestling his first bout for the team defeated Donahy of Brooklyn in an overtime period. Stone had a slight weight advantage over his man but as he has just come out for the team this was somewhat offset by his lack of experience. Stone showed he had plenty of fight and put up a very creditable performance getting a safe decision.

Since the loss of Burke the Beavers have been rather handicapped by not having men up to the full weight. The squad seems to run a little under and almost all of the men run short of the weight for the class at which they are fighting. In spite of this fact Coach Greene's men put over a win by a good margin Saturday night and seem to make up in fight what the other team gains in weight advantage and the outlook for the rest of the season seems fairly bright.

Canter, M. I. T., defeated Itza, B. P. I., 112, decision.  
Cullen, M. I. T., defeated Barborizki, B. P. I., 125, decision.  
Cooper, M. I. T., defeated Obinheimer, B. P. I., 135, overtime, decision.  
DeMaderosian, M. I. T., and B. P. I., 145, draw.  
Binie, B. P. I., defeated Gentile, M. I. T., 158, overtime, decision.  
Rachatony, B. P. I., defeated Pitblado, M. I. T., 175, decision.  
Stone, M. I. T., defeated Donahy, B. P. I., heavy, decision.  
Referees—Greene and Banks.  
Timekeepers—Shaw, Logan, and Davis.

Bates University is going to send a debating team around the world, which will meet with other university teams in England, New Zealand, South Africa, Australia, and the Philippines. The team is made up of three men and will take part in about 25 debates.

#### Record Performances In Meet on Saturday

One Mile Run—4 minutes 35 4-5 seconds, by Leon Thorsen '30.  
Four Lap Run—1 minute 15 4-5 seconds, by Marshall Fay '29.

**FRESHMAN RECORDS**  
Running High Jump—5 feet 10 3-4 inches, by Philip Benjamin.  
Shot Put—45 feet 1-2 inch, by Bror Grondal.

### WORCESTER ACADEMY OUTSWIMS FRESHMEN

Worcester Academy swimming team triumphed over the Cardinal and Gray frosh last Saturday at Worcester by the score of 53-9. Technology got only one second place in an individual event, when Holst placed behind Dodge of the prep school team in the breast stroke. McMinn, Lutz, Moeller, McKay, and Lam contributed thirds to the yearling's total, Lutz getting one in each the fifty and 100-yard free style.

Two hundred-yard relay—Won by Worcester (Ellsworth, Nichols, Stinson, Bicknell); second, M. I. T. Time—1m. 48s.  
Diving contest—Won by Aldrich, Worcester; second, Nunenz, Worcester; third, McMinn, M. I. T.  
Fifty-yard free style—Won by Stinson, Worcester; second, Nichols, Worcester; third, Lutz, M. I. T. Time—25s.  
One hundred-yard back stroke—Won by Riley, Worcester; second, Libby, Worcester; third, Moeller, M. I. T. Time—1m. 19 2-5s.  
Two hundred-yard free style—Won by Bicknell, Worcester; second, Johnson, Worcester; third, McKay, M. I. T. Time—1m. 17 2-5s. (New school record.)  
One hundred-yard breast stroke—Won by Dodge, Worcester; second, Holst, M. I. T.; third, Lam, M. I. T. Time—1m. 19 3-5s.  
One hundred-yard free style—Won by Ellsworth, Worcester; second, McGuire, Worcester; third, Lutz, M. I. T. Time—1m. 14 4-5s.

### YEARLING GRAPPLERS BEATEN BY ANDOVER

Coach Greene's yearling wrestlers ran into stiff opposition at Andover, Friday night when they tackled the Andover grapplers. The youngsters put up the best fight they had without a chance for practice but the prep school boys had the score their own way taking every one of the bouts. Chibas in the lightweight for the youngsters made the best showing of the lot but he was up against too good a man and was not able to score a win.

One hundred and fifteen-pound class—Big Wood, Andover, threw Chibas, M. I. T. freshmen, 3m. 38s.  
One hundred and twenty-five-pound class—Elzas, Andover, won decision over Cook, M. I. T. freshmen. Time advantage—6m. 44s.  
One hundred and thirty-five-pound class—Burns, Andover, threw Bassenger, M. I. T. freshmen, 4m. 28s.  
One hundred and forty-five-pound class—Durstin, Andover, won decision over Elbound, M. I. T. freshmen. Time advantage—7m. 36s.  
One hundred and fifty-eight-pound class—Barton, Andover, threw Snow, M. I. T. freshmen, 3m. 54s.  
One hundred and seventy-five-pound class—Ingersoll, Andover, won decision over Groizer, M. I. T. freshmen. Time advantage—1m. 12s.

### Basketball Team to Play Union and Army on Trip

#### TANKMEN LOSE TO COLUMBIA BY 39-23

Columbia's Lions defeated the Beaver in his native element Saturday, when the Technology swimming team lost a close-contested meet by the score of 39-23. Captain Wright of the team proved the undoing of the Cardinal and Gray, as he took two firsts and swam anchor on the winning relay teams. The meet was swum in the Columbia pool.

Sophomores formed the nucleus of the Beavers' point-scoring aggregation. Phil Torchio grabbed second in the fifty-yard free style and third in the hundred, besides swimming on the relay team. Jack Jarosh, last year's frosh captain, took first in the 440 and second in the backstroke. Ralph Appleton came through with first honors in the breaststroke, while Luey duplicated his performance by leading the field in the backstroke. Captain Brown placed a good third in the dives.

Fifty-yard free-style—Won by Wright (C); second, Torchio (MIT); third, Forsyth (C). Time 24 4-5s.  
One hundred-yard free-style—Won by Wright (C); second, Forsyth (C); third, Torchio (MIT). Time—57 1-5s.  
Four hundred and forty-yard free-style—Won by Jarosh (MIT); second, Conrad (C); third, Morris (C). Time—4m. 6 3-5s.  
One hundred and fifty-yard backstroke—Won by Luey (MIT); second, Jarosh (MIT); third, Bowden (C). Time—1m. 58 3-5s.  
Two hundred-yard breast-stroke—Won by Appleton (MIT); second, Rae (C); third, Oberist (C). Time—2m. 59 4-5s.  
Fancy dive—Won by Kumpf (C), 87.4; second, Zeitlin (C), 76.8; third, Brown (MIT), 70.2.  
Two hundred-yard relay race—Won by Columbia (Davenport, Allwork, Forsyth, Wright); second, M. I. T. (Torchio, Brown, Payson, Luey). Time—1m. 43 1-5s.

#### SPORTS CALENDAR

**Monday, February 13**  
Hockey—Freshman vs. St. John's at Danvers.  
**Tuesday, February 14**  
Basketball—Varsity vs. Union at Schenectady.  
**Wednesday, February 15**  
Basketball—Varsity vs. Army at West Point.  
Hockey—Varsity vs. New Hampshire at Durham.  
Swimming—Freshmen vs. Huntington at Huntington.  
**Friday, February 17**  
Swimming—Varsity vs. Yale at New Haven.  
Hockey—Varsity vs. Bates at Lewiston.  
Fencing—Varsity vs. Bowdoin at Hangar gym.  
Polo—M. I. T. Polo Club vs. Battery A at Commonwealth Armory.  
**Saturday, February 18**  
Basketball—Varsity vs. Providence in Hangar gym.  
Swimming—Varsity vs. Army at West Point.  
Freshmen vs. Malden at Malden.  
Basketball—Freshmen vs. Dean Academy at Dean.  
Hockey—Varsity vs. Bowdoin at Brunswick.  
Wrestling—Varsity vs. Brown in Hangar gym.  
Gym—Varsity vs. Princeton in Walker gym.  
M. I. T. Squash Club—Weston at Weston.  
Fencing—Varsity vs. Columbia at Hangar gym.

#### Cardinal and Gray Has Had Vacation of Week From Competition

After a vacation of almost a month the Cardinal and Gray basketball players will resume their schedule this week, starting with a trip to New York. Eight players will make the trip on which the Engineers will face Union and the Army.

On Monday at 2:10 in the afternoon the team will leave for Schenectady where it will meet Union on Tuesday evening. Union and Technology are about even on their previous records. St. Lawrence defeated Union and Yale by about the same scores and Technology is about on a par with Yale. However, the two guards on the Union team, who have been the high scorers on the team up to the present were declared ineligible after the results of the mid-year examinations, thus weakening the offense of the team greatly. With these two men out, Technology should have no trouble in winning.

After the game with Union the team travels to West Point and faces the Army on Wednesday afternoon. West Point has a strong team this year which boasts victories over Pennsylvania and Colgate and lost a close game to Pittsburgh. After the strenuous game the night before the Engineers will have a hard task to subdue the Army quintet.

On this coming Saturday the Engineers will oppose Providence college in the Hangar gym in the first home game of over a month. The Providence college team is one of the strongest it has ever had, and on Saturday it swamped the Boston University quintet. Spurred on by the support such as has been given Technology teams in the last few home meets the Engineers should make the game a close one.

Allen, Estes, Brockelman, Reynnders, Bates, Spahr, Johnson and Lawson are the players who will make the trip to New York.

### FRESHMAN HOOPSTERS LOSE TO WENTWORTH

Wentworth's hoopsters ran up a win from the Technology freshmen five at the Hangar Saturday night. A score of twenty-five to nineteen was the final result. The freshmen jumped ahead at the start taking a lead but the Wentworth outfit came through with a rally and were leading at end of the first half and kept the lead until the end of the game. Motter and Harrison were the high scorers for the yearlings both running up seven points.

Eighty-four Dartmouth students spent their Christmas vacation in Uncle Sam's employ as mail carriers.

## The Massachusetts Institute of Technology

### Cambridge, Massachusetts

THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY offers Courses in Engineering and Science, each of four years' duration, leading to the degree of Bachelor of Science in:

- |                               |                             |   |
|-------------------------------|-----------------------------|---|
| Aeronautical Engineering      | Electrical Engineering      | Mechanical Engineering                    |
| Architectural Engineering     | Electrochemical Engineering | Metallurgy                                |
| Biology and Public Health     | Engineering Administration  | Military Engineering                      |
| Building Construction         | General Science             | Mining Engineering                        |
| Chemical Engineering          | General Engineering         | Naval Architecture and Marine Engineering |
| Chemical Engineering Practice | Geology                     | Physics                                   |
| Chemistry                     | Industrial Biology          | Sanitary and Municipal Engineering        |
| Civil Engineering             | Mathematics                 |   |

The course in Architecture is of five years' duration, and leads to the degree of Bachelor in Architecture. A five year Cooperative Course in Electrical Engineering leading to the degrees of Bachelor of Science and Master of Science is also offered.

Graduate Courses leading to the degrees of Master of Science, Master in Architecture, Doctor of Philosophy, Doctor of Science and Doctor of Public Health are offered. The Courses leading to the degree of Master of Science include Cooperative Courses in Chemical Engineering Practice and Fuel and Gas Engineering.

The better high schools and other preparatory schools in the United States offer adequate preparation for the required entrance examinations given by the College Entrance Examination Board in June, or by the Institute in September.

Correspondence should be addressed to The Massachusetts Institute of Technology.

Graduates of colleges or of scientific schools of collegiate grade, and in general all applicants presenting satisfactory certificates showing work done at another college corresponding to at least one year's work at the Institute, are admitted, without examination, to such advanced standing as is warranted by their previous training.

The Summer Session extending from June to September includes most of the subjects given during the academic year and in addition special courses for teachers.

Any of the following publications will be sent free upon request:

- Catalogue for the Academic Year (which includes the admission requirements).
- Summer Session Catalogue.
- Graduate Study and Research.

## GYM TEAM BEATS BOWDOIN OUTFIT

### Maine Team Unable to Force Engineers To Extend Themselves

(Continued from page 1)  
allels and would have made a clean sweep of a first in every event.  
Capt. Stephenson's work on the horizontal is worthy of considerable mention. He did a number of giants in very good form and his dismount looked very good. If he keeps up the good work he ought to be able to take a first in the Princeton meet next Saturday. Dave Wells was a little nervous as it was his first meet and he fell down while trying to do a giant. However, he should remedy this fault as he has been doing very well in practice lately.

On the side horse Fairchild and Almer Moore started out on one of their fights to see who would take first place, but Moore made a slip on one of his turns and that threw him off considerably. He came back in his second trial and succeeded in getting a second. Fairchild has been doing some very good work and he is getting his dismounts in fine shape and ought to be able to come through with a number of wins this season.

Frank Fahnestock put up an unusually good exhibition on the Parallels, but he was not good enough to beat Stewart who had the edge over him. With a little more practice Frank ought to be able to come through in some of the meets this year. Dave Wells also did some nice work, but he was not yet good enough to take any firsts in this meet.

As a whole the Engineers have a pretty strong gym team, but the loss of Reynolds will handicap it greatly and they will not have very much chance in the big meets unless Reynolds is declared eligible.

**The summary:**  
Horizontal bars—Won by Paul Stephenson, Tech; second, W. P. Stewart, Jr., Bowdoin; third, David Wells, Tech.  
Side Horse—Won by Harold Fairchild, Tech; second, Almer Moore, Tech; third, A. T. Leavitt, Jr., Bowdoin.  
Parallel Bars—Won by W. P. Stewart, Jr., Bowdoin; second, Frank Fahnestock, Tech; third, David Wells, Tech.  
Flying rings—Won by David Wells, Tech; second, Orville Aras, Tech; third, A. T. Leavitt, Jr., Bowdoin.  
Tumbling—Won by Brunton Bauer, Tech; second, Gordon Lister, Tech; third, S. C. Gillis, Bowdoin.  
Rope climb—Won by Harold Fairchild, Tech; second, W. P. Stewart, Jr., Bowdoin; third, R. D. Wilkes, Bowdoin. Time 5-7-10s.  
Some—M. I. T. 39, Bowdoin 15.

## 13 STUDENTS ATTEND T.C.A. WINTER OUTING

### Mountain Climbing, Skating, Skiing on Sports Program

On February 4th, thirteen students of the Institute returned from a three days' outing in the mountains of New Hampshire. The outing was in the nature of an experiment as this was the first time that an outing of this sort had been tried. The men who went on the trip stated that it was a complete success and voted that it should be made an annual affair.

From February 1st to the 4th the members of the outing lived in a special cottage of the "Ark" hotel in East Jaffery, New Hampshire. The cottage was steam-heated, electrically lighted and furnished with a huge fireplace which was kept burning day and night. On Thursday morning 12 out of the 13 men ascended Mt. Monadnock to an elevation of 3200 feet. They left the cottage at 9 o'clock and returned about 1 o'clock. Besides the mountain climbing, skiing, tobogganing and skating were the sports which were enjoyed by the members.

The students who attended the outing were H. O. Pattison, '30, G. J. Schaltz, '30, C. M. Gutierrez, '30, David Graham, G. Lowell Moses, '30, Alfred Cavileer, '31, R. M. Boyer, '29, W. M. Ross, Unc., H. E. Hagedorn, '28, We-Tuh Kwauk, G. M. F. Escandon, '31, C. H. Lam, '31, and Otto Wolff, '29.

On Saturday John W. Chamberlain, President of the T. C. A., left for the University of New Hampshire where he is attending a preparatory school Conference.

## HANS LUNDBERG WILL LECTURE ON MINING

According to an announcement made by the Department of Geology and Mining there will be two lectures concerning prospecting for ores by electricity, given by Mr. Hans T. F. Lundberg, who is the field manager of the Swedish-American Prospecting Corporation.

All persons interested are invited to attend these lectures which will be held in Room 4-270, today and tomorrow, at three and four o'clock respectively.

Haverford is the only college in the United States where cricket is recognized as a major sport.

## PROFESSOR BARKER GIVES E. E. LECTURES

On Thursday, February 9th, the first of a series of fourteen Junior lectures will be given by Professor Barker of the Electrical Engineering Department. The title of this series is "The Electrical Engineer's Life," and the first lecture will be "The History of Engineering to the 19th Century." The series is given every year to enable the men of the Junior Class to get an idea as to what the advantages of their course and engineering in general holds for them. The lecture will extend over a period of about four months, and are open to all members of the Junior Class.

In the first of these Professor Barker will take up "History of Engineering to 19th Century," and his second on Thursday, February 16th, "The Age of Industrial Development."

## THE EDITORIAL SPECULUM

(Continued from Page 2)  
what goes on in the world. How true this is among the eight hundred thousand undergraduates in the institutions of higher learning in the United States, we don't know. We do know, though, that at Technology during our few years' stay here we have encountered mighty few men who do keep abreast of the times. Is the average Technology undergraduate so busy with his studies that he has no time to follow the daily papers? We sincerely doubt it.

## OFFICIAL

E21

E 21 during the current term will meet on Wednesdays and Fridays at 12 o'clock in Room 2-274. The assignment for the first meeting, February 15, will be the first two chapters of Professor Penfield Roberts' "Introduction to Politics."

## Taylor Describes Modern Airplane And Auto Engine

### Movies, Slides and Exhibits Illustrate Third Popular Science Lecture

Modern advances in the construction, design and operation of gasoline automobile and aircraft engines were outlined by Professor Charles F. Taylor of the Institute Department of Aeronautical Engineering in the third of a series of four Popular Science lectures arranged by the Technology Society of Arts.

Students from high and preparatory schools comprised the audience Friday and Saturday afternoons while the lecture was given yesterday for the general public.

Slides and motion pictures were used in illustrating the talk and the numerous exhibits included a Wright Whirlwind motor, the type which carried the Spirit of St. Louis across the Atlantic. Professor Taylor discussed the development of internal combustion engines, their construction and operation in non-technical terms easily understood by the average layman.

## COPITHORNE TO GIVE READING ON LINCOLN

On Monday evening, February 13, at five o'clock, Mr. M. R. Copithorne, of the English Department of the Institute will give a reading in the Library of Walker Memorial. Mr. Copithorne's program will center about Lincoln, not in the character of a rail-splitter, but as a lover of mankind as is shown from his imaginative prose and verse.

Mr. Copithorne's readings are well known about the Institute, and those who attended his last reading can vouch for his splendid manner of delivery. The reading is very appropriate for it comes during a time when the entire nation is recalling Lincoln to their minds.

## NEW COURSE GIVEN IN SCHOOL HEALTH

### Professor C. E. Turner Will Give Sanitation Aids

According to a recent announcement, a new course in the study of systematic plans for training school children in healthful living is being given in the Department of Biology and Public Health. The course is given by Professor C. E. Turner of the Department of Biology and Public Health. As a national authority on school health programs, Professor Turner has carried out research of far reaching importance, among his undertakings being organization of the public school health program in Malden, Mass. As consultant of the Board of Education of Cleveland, Ohio, last year, he directed organization of a health program and a health education curriculum.

The course began on February 10, and the lectures are given on Friday afternoons from 4:30 to 5:30 o'clock until May 18. The titles of the various lectures include: "The Nature and Historical Development of the Various Health Activities of the Public School System"; "The Philosophy of Health Education from the Standpoint of School Administration"; "The Preparation of a Curriculum in Health Education and Administrative Provision for Source Material"; "The Use and Abuse of Weighing and Measuring School Children"; "An Evaluation of Daily Health Inspections and Milk Lunches"; "Administrative Aspects of the Open Air Class and Other Special Health Classes"; "Administrative Provisions for Sanitation and Ventilation"; "The Administration, Cost and Results of Physical Examinations"; "The Machinery Necessary for Communicable Disease Control"; "The Necessary Activities for the Correction of Physical Defects, Their Cost and Administration"; "The Dental Programs"; "Co-ordinating the School Health Activities (Health Education, Physical Education, Medical Service, Nursing, Nutrition)"; "The administration of the Measurement of Health Impression of the High School Program; and improvement."

## FEBRUARY T. E. N. ON STANDS FRIDAY

### Civil Engineering Main Theme of Current Number

(Continued from Page 1)  
constructions. His conclusions are most interesting, and point to the ultimate disappearance of the picturesque iron-worker with the noise of his ear-splitting riveting gun.

Professor Charles Terzaghi, of the Department of Civil Engineering, has written on "The Physical Properties of Clay." He is a specialist in Foundation Engineering and discusses the treacherous nature of clay in this field. For many years, the actual reasons for its behavior have been the subject of speculation, but in recent work, some of which has been done here at the Institute, conclusive information has been obtained.

Articles of a general nature are "Knowledge Plus Wisdom," by William E. Nickerson, '76; and "Testing Waterwheel Generator Rotors," by David O. Woodbury, '21, of the General Electric Company.

The tuition at Wesleyan has doubled in three years. Beginning September 1928, it is announced the fee will be \$400.

**EDWARD J. McAVOY**  
Copley-Plaza  
Barber Shop  
On Grill Room Floor  
Dr. Fred T. Reiss, Chiropodist  
MANICURING CHIROPODY  
Telephone for appointment

**MOTORCYCLES**  
Bought, Sold, Rented and  
Repaired  
**WALKER INDIAN CO.**  
78 Brookline Ave., Boston

**IN 13 MONTHS . . .**  
**NEARLY A MILLION MEN HAVE**  
**CHANGED TO CHESTERFIELD !**



### AND HERE'S WHY:

**WE STATE** it as our honest belief that the tobaccos used in Chesterfield cigarettes are of finer quality and hence of better taste than in any other cigarette at the price.

LIGGETT & MYERS TOBACCO CO.

**THEY SATISFY**  
and yet **THEY'RE MILD**

*Yes, very mild!*